

REAL-TIME AUDIO SOURCE SEPARATION BY
DELAY AND ATTENUATION COMPENSATION IN THE TIME DOMAIN

Abstract of the Disclosure

5

A system is provided for separating two audio channels
recorded by an array of microphones. The system includes a
calibration module for normalizing gain levels between a
plurality of channels on each of a plurality of data
10 frames, wherein each data frame is expressed in terms of
time. The system further includes a delay parameter
estimation module for accepting an output comprising the
normalized channels, and estimating a delay parameter for a
plurality of data frame sizes over a plurality of lag
15 times, and sorting delays to generate corresponding source
separated outputs.